Package: ShapleyValue (via r-universe)

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Type Package

Title Shapley Value Regression for Relative Importance of Attributes

Version 0.2.0

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Description Shapley Value Regression for calculating the relative
importance of independent variables in linear regression with
avoiding the collinearity.

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Encoding UTF-8

RoxygenNote 7.1.1

Suggests knitr, rmarkdown

Imports tidyverse,kableExtra,MASS,utils

VignetteBuilder knitr

NeedsCompilation no

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Repository https://jingyiliang1009.r-universe.dev

RemoteUrl https://github.com/cran/ShapleyValue

RemoteRef HEAD

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Contents

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shapleyvalue   *ShapleyValueRegression – to calculate the relative importance of at-*
                                tributes in linear regression

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Description

Shapley Value Regression for calculating the relative importance of independent variables in linear
regression with avoiding the collinearity.

Arguments

y A coloumn or data set of the dependent variable

x A matrix or data set of the independent variables

Value

The structure of the output is a datatable, with two rows:the unstandardized and standardized relative
importance of each attributes using shapley value regression method.

Examples

```
library(MASS)
library(tidyverse)
data <- Boston
y <- data$medv
x <- as.data.frame(data[,5:8])
shapleyvalue(y,x)
```

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